Datasheet for ABIN6961770

anti-TCR beta antibody

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Overview

Quantity:	100 µg
Target:	TCR beta
Reactivity:	Mouse
Host:	Armenian Hamster
Clonality:	Monoclonal
Conjugate:	This TCR beta antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP), Immunofluorescence (IF), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Clone:	H57-597
Isotype:	IgG
Purification:	This monoclonal antibody preparation was purified from tissue culture supernatant via affinity chromatography. For In Vivo Ready™ (IVR) products, each preparation is also evaluated for endotoxin levels using the LAL assay. It is recommended to store the product undiluted at 4°C. Do not freeze.

Target Details

Target:	TCR beta
Alternative Name:	TCR beta (TCR beta Products)
Background:	The H57-597 antibody is specific for the beta chain of the mouse T cell Receptor (TCR). This

Target Details

	cell surface protein combines with a second protein chain (alpha chain) to form the alpha-beta TCR that is expressed by NK1.1+ thymocytes, NKT cells, and the majority of peripheral T cells. A small number of T cells may express an alternative heteromer of gamma and delta protein chains, known as the gamma-delta TCR. These receptors participate in a complex with CD3, and with the co-receptors CD4 or CD8, to recognize and respond to antigens bound to MHC molecules on antigen-presenting cells. Such interactions promote T cell receptor signaling (T cell activation) and can re- sult in a number of cellular responses including proliferation, differentiation, production of cytokines or activation-induced cell death.The H57-597 antibody is used as a phenotypic marker for T cells expressing the alpha-beta TCR. It is also widely used to cross-link surface TCR and thereby mimic TCR-mediated cell activation or induction of apoptosis. The antibody does not cross-react with cells expressing the gamma-delta TCR.
Gene ID:	21577

Application Details

Application Notes:	This purified format is guaranteed to be >90 % pure as determined by SDS-PAGE analysis.
Comment:	0.5 mg/mL
Restrictions:	For Research Use only

Handling

Buffer:	10 mM NaH2PO4, 150 mM NaCl, 0.09 % Sodium azide, pH 7.2
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	2-8°C
Expiry Date:	12 months

